

# INTERNATIONAL SEARCH REPORT

Internat... Application No  
PCT/IB 03/04558

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H02M3/35 H02H7/122

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H02M H02H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, PAJ, EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category <sup>a</sup>	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 585 847 A (POWER INTEGRATIONS INC) 9 March 1994 (1994-03-09) column 4, line 27 – line 40 figure 4	1
Y	---	2-4
Y	US 5 103 386 A (HERRMANN DIETER) 7 April 1992 (1992-04-07) cited in the application abstract column 3, line 50 – line 58 column 4, line 49 – line 56 figure 1 ---	1-4
		-/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

### \* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the International filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the International filing date but later than the priority date claimed

- "T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "8" document member of the same patent family

Date of the actual completion of the International search

16 January 2004

Date of mailing of the International search report

26/01/2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5 694 305 A (RESCA PETER ET AL) 2 December 1997 (1997-12-02) abstract column 5, line 45 - line 64 figure 1 ---	1
A	WO 94 22207 A (NOKIA TELECOMMUNICATIONS OY ;BAARMAN GOESTA (FI)) 29 September 1994 (1994-09-29) abstract page 6, line 30 -page 7, line 3 figures 1,2,4 ---	1
A	US 6 016 260 A (HEERINGA SCHELTE) 18 January 2000 (2000-01-18) abstract figure 1 -----	1-4

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